

军事交通学院学报

JUNSHI JIAOTONG XUEYUAN XUEBAO



中国·天津  
TIANJIN CHINA

全军军事学核心（培育）期刊  
中国高校编辑出版质量优秀科技期刊

ISSN 1674-2192

CN 12-1372/E

# 军事交通学院

Journal of Military Transportation University

# 学报

2019 11

第21卷 第11期 VOL.21 NO.11

2019年

## 目 次

## ·运输投送·

- 作战兵力联合投送任务规划 ..... 顾光廷, 李 鹏(1)  
提高陆军重装备公路运输力量运用效能的思考 ..... 王春刚, 洪 梅, 姚中坚(5)  
全域作战视角下提高部队远程机动能力的对策 ..... 雷 迅, 张迎亮(9)  
美陆军海外投送问题研究 ..... 张孝宝, 侯远达, 袁 渊(13)  
南海方向利用民船保障军用爆炸品运输研究 ..... 罗 雷, 乔浩伟, 金 峰(18)  
部队联合投送方案重点内容编制优化 ..... 汪 欣, 周飞飞, 王广东(22)

## ·装备与技术·

- RCM 理论在军用车辆维修中的应用 ..... 许 凯, 周 斌, 封会娟, 赵星贺, 何 岩(28)  
车辆装备维修保障设备建设现状及对策 ..... 李春亮(33)  
合成部队装备保障现场存在问题及对策 ..... 尹国明, 张 辉, 张今非(37)  
陆军车辆器材应急采购工作研究 ..... 朱正飞, 王 亮, 谢鑫鹏, 张大鹏, 陈 阵(41)  
高强度锥齿轮差速器轮齿强度校核及模态分析 ..... 樊智涛, 王 亮, 陶泽南(45)

## ·军事物流·

- 陆军全域作战后勤战备物资预置储备研究 ..... 王 耀, 李 斌, 周济晓, 吕麒鹏(50)  
海外军事行动物资保障风险预警能力研究 ..... 张睿峰, 李 莉(54)  
构建现代军事物流体系的思考 ..... 王薇薇, 胡 靖(58)

## ·军事教育与训练·

- 船艇作战学科专业建设认识与思考 ..... 夏文蔚(62)  
军校科学文化基础课开展思政教育的思考——以“大学化学”课程为例

..... 杜金会, 张 娜, 娄少锋, 张立云, 徐 筠(66)

- 六西格玛设计在实战化教学中的应用 ..... 解永芬, 张 桦, 李 震, 陈 晓(69)

- 绩效视角下改进军校科研经费预算管理探讨 ..... 沈周涵(73)

## ·基础科学与技术·

- 一种城市交叉路口转弯车辆轨迹预测方法 ..... 谢 枫, 李永乐, 苏致远, 白 睿, 徐友春(78)  
基于数值优化的智能车自主泊车路径规划算法 ..... 朱英杰, 李建市, 冯明月, 徐友春(84)  
车辆装备冷却系统中典型金属材料的电化学行为研究

..... 乔渊博, 徐安桃, 李锡栋, 周 慧, 潘世举(90)

- 《军事交通学院学报》告示 ..... (36)

- 本刊启用“军事科研学术文献检测系统”的公告 ..... (61)

- 《军事交通学院学报》参考文献著录规则 ..... (83)

- 《军事交通学院学报》投稿须知 ..... (94)

期刊基本参数 :CN12-1372/E \* 1999 \* m \* A4 \* 96 \* zh \* P \* ¥ 10. 00 \* 3 100 \* 21 \* 2019-11

## CONTENTS

**· Transportation & Projection ·**

Mission Planning of Joint Projection for Combat Force .....	GU Guangting, LI Peng( 1 )
Thoughts on Improving Use Efficiency of Army Heavy Equipment Road Transport Capacity .....	WANG Chungang, HONG Mei, YAO Zhongjian( 5 )
Countermeasures to Improve Long-range Mobility of Troops .....	LEI Xun, ZHANG Yingliang( 9 )
On US Army Overseas Projection .....	ZHANG Xiaobao, HOU Yuanda, YUAN Yuan(13)
On Use of Civilian Ships to Support Transportation of Military Explosives in South China Sea .....	LUO Lei, QIAO Haowei, JIN Feng(18)
Optimization of Formulating Key Contents of Army Joint Projection Plan .....	WANG Xin, ZHOU Feifei, WANG Guangdong(22)

**· Equipment & Technology ·**

Application of RCM Theory in Military Vehicle Maintenance .....	XU Kai, ZHOU Bin, FENG Huijuan, ZHAO Xinghe , HE Yan(28)
Current Situation and Countermeasure of Vehicle Equipment Maintenance Support Equipment Construction .....	LI Chunliang(33)
Problems Existing in Equipment Support Site of Synthetic Forces and Their Countermeasures .....	YIN Guoming, ZHANG Hui, ZHANG Jinfei(37)
On Emergency Procurement of Army Vehicle Equipment .....	ZHU Zhengfei, WANG Liang, XIE Xinpeng, ZHANG Dapeng, CHEN Zhen(41)
Strength Checking and Modal Analysis of Gear Teeth of High Strength Bevel Gear Differential .....	FAN Zhitao , WANG Liang, TAO Zenan(45)

**· Military Logistics ·**

Preset Storage of Logistical War Readiness Materials for Army Full-domain Operations .....	WANG Yao , LI Bin , ZHOU Jixiao , LYU Qipeng(50)
Risk Alert Ability of Material Support in Overseas Military Operations .....	ZHANG Ruifeng, LI Li(54)
Consideration on Construction of Modern Military Logistics System .....	WANG Weiwei , HU Jing(58)

**· Military Education & Training ·**

Understanding and Consideration on Construction of Ship Operation Subject .....	XIA Wenwei(62)
Thoughts on Ideological and Political Education in Basic Course of Science and Culture in Military Academies .....	
—With “College Chemistry” as a Case .....	DU Jinhui , ZHANG Na , LOU Shaofeng , ZHANG Liyun , XU Yun(66)
Application of DFSS in Combat-oriented Teaching .....	XIE Yongfen , ZHANG Hua , LI Zhen , CHEN Xiao(69)
On Improving Budget Management of Scientific Research Funds in Military Academy from Performance Perspective .....	SHEN Zhouhan(73)

**· Basic Science & Technology ·**

A Method For Predicting Turning Vehicle Trajectory in Urban Intersection .....	XIE Feng, LI Yongle , SU Zhiyuan , BAI Rui , XU Youchun(78)
Autonomous Parking Path Planning Algorithm for Intelligent Vehicles Based on Numerical Optimization .....	ZHU Yingjie , LI Jianshi , FENG Mingyue , XU Youchun(84)
Electrochemical Behavior of Typical Metal Materials in Vehicle Equipment Cooling System .....	QIAO Yuanbo , XU Antao , LI Xidong , ZHOU Hui , PAN Shiju(90)